



Gigabit Switch

**GS-5116C:**

16-Port Unmanaged Gigabit Ethernet Switch

**Key Features**

- 16-Port 10/100/1000 Mbps GbE Switch
- Provides two Gigabit Ethernet Modules options: 1000Mbps RJ-45/1000Mbps Fiber SFP (single-mode/multi-mode) for remote uplink
- Conforms to IEEE 802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T and IEEE 802.3x flow control standards
- Supports 10/100Mbps auto-detect half/full duplex and 1000Mbps at full duplex
- Supports TP interface auto MDI/MDI-X function for auto TX/RX swap
- Supports 802.3x flow control pause packet for full duplex
- LEDs to indicate: 10/100/1000Mbps, Link/Act. and Power Status
- Slim & Compact design
- RoHS Compliance

**Overview**

**GS-5116C** is a cost-effective switch that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. With 32 Gbps switch fabric, the switch improves your network performance. You can connect to backbone or make Gigabit to the PC to perform high speed transfer. The switch has a 8K MAC Address Table and provides a 272K on-chip buffer. It is suitable for workgroups or WAN edge application. The versatile and compact 1RU height design of the **GS-5116C** enables the device to be rackmounted in a standard 19 inch rack, while conserving valuable rack space.

**Easy Installation and Configuration**

**GS-5116C** conforms to plug and play for easy installation and use. With diagnostic LEDs, network and port status can be easily monitoring and trouble-shooting.

**GS-5116C** also build in wiring crossover on all ports allows connection to server or PC without worrying about cabling.

**Technical Specifications**

- **Standard compliance:**
  - IEEE 802.3 10Base-T Ethernet(twisted-pair copper)
  - IEEE 802.3u 100Base-TX Ethernet(twisted-pair copper)
  - IEEE 802.3ab 1000Base-T Ethernet(twisted-pair copper)
  - IEEE 802.3Z 1000Base-T Ethernet(Gigabit Fiber)
  - ANSI/IEEE 802.3 Auto-negotiation
- **MAC Address:** 8K
- **Network Interface:** 16 10/100/1000Mbps RJ-45 ports
- **Flow control:**
  - IEEE802.3x compliant for full-duplex
  - Back pressure flow control for half-duplex
- **Media :**
  - 10BASE-T: UTP Cat. 3, 4, 5 or up
  - 100BASE-TX: UTP Cat. 5 or up
  - 1000BASE-T: UTP Cat. 5 or up
- **Transmission Mode:** 10/100Mbps, full/half-duplex (Auto-sensing)
- **Transfer Rate:**
  - 10Mbps: 14880pps (64 Bytes Package)
  - 100Mbps: 148800pps (64 Bytes Package)
  - 1000Mbps: 1488000pps (64 Bytes Package)
- **Buffer Memory:** 272KB on chip frame buffer
- **Switching Method:** Store & forward
- **LED Description**

	LED	Color	Function
Global	POWER	Green	Lit when +5V power is coming up
Global	CPU/ACT	Green	Blinks when CPU is activity
Port 1-16	LINK/ACT	Green	Lit when connection with remote device is good
			Blinks when any traffic is present
Port 1-16	1000/100Mbps	Green/Amber	Lit Green when TP link on 1000Mbps speed
			Lit Amber when TP link on 100Mbps speed
			Off when 10Mbps or no link occur

**• Hardware Spec.**

Feature	Detailed Description
<b>Voltage</b>	100~240 V
<b>Frequency</b>	50~60 Hz
<b>Consumption</b>	30W
<b>Ambient Temperature</b>	0 to 40°C
<b>Humidity</b>	5% to 90%
<b>Dimensions</b>	44(H) x 442(W) x 209(D) mm
<b>Weight</b>	3kg
<b>Safety</b>	UL Comply with FCC Part 15 Class A & CE Mark Approval

**Packing Information**

Carton Dimensions (mm)	pcs/Carton	N.W (KG)	G.W (KG)
530x512x345	5	20	21

**Ordering Information**

<b>GS-5116C</b>	16-Port Unmanaged Gigabit Ethernet Switch with 2 SFP Dual Media Port
<b>Optional SFP Module</b>	
<b>SFP.LC</b>	1000Base-SX GE SFP Fiber Module, LC Multi-Mode 850nm
<b>SFP.LC.M2</b>	1000Base-SX GE SFP Fiber Module, LC Multi-Mode 1310nm 2km

Note:

We recommend the SFP transceiver from the following vendors:

1. Ruby Tech Corporation
2. Agilent Technologies
3. AVAGO Technologies
4. Finisar Corporation

**Ruby Tech Corp.**

3F, No.1, Lane 50, Nan Kang Road, Sec.3, Taipei, Taiwan  
 TEL:886-2-2785-3961 FAX:886-2-2786-3012

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